

What is claimed is:

1. A printer device comprising:

a first recording mechanism of a first structural type, operable to deliver a first recording material to a recording medium according to a first manner of delivery; and

5 a second recording mechanism of a second structural type different from the first structural type, operable to deliver a second recording material to said recording medium according to a second manner of delivery,

wherein said second manner of delivery of said second recording material from said second recording mechanism is substantially different than said first manner of delivery of 10 said first recording material from said first recording mechanism.

2. The printer device according to claim 1, wherein said first recording mechanism is operable to deliver said first recording material substantially concurrently with the delivery of said second recording material by said second recording mechanism.

15 3. The printer device according to claim 1, wherein operation of said first recording mechanism and said second recording mechanism is configured to occur substantially sequentially.

20 4. The printer device according to claim 1, further comprising a plurality of reservoirs for storing said first recording material and said second recording material.

25 5. The printer device according to claim 4, wherein each of said reservoirs is configured to supply recording material to a respective one of said first recording mechanism and said second recording mechanism.

6. A method for printing onto a recording medium comprising:

applying a first recording material onto said recording medium with a first structural type of recording mechanism; and

30 applying a second recording material onto said recording medium with a second different structural type of recording mechanism,

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wherein a manner of applying said first recording material substantially differs from said manner of applying said second recording material.

7. The method according to claim 6, further comprising:

5 applying said first recording material and said second recording material onto said recording medium during a single printing pass.

8. The method according to claim 6, further comprising:

10 applying said first recording material during a first printing pass and applying said second recording material during a second printing pass.

9. The method according to claim 6, wherein said step of applying said first recording material comprises the step of applying a pre-coat and/or an undercoat onto said recording medium and said step of applying said second recording material comprises the step of applying said second recording material onto or around said applied pre-coat and/or undercoat.

15 10. The method according to claim 6, wherein said step of applying said first recording material comprises the step of applying said first recording material following said step of applying said second recording material substantially on top of said first recording material applied on said print medium.

20 11. A printer device comprising:

25 one or more first recording mechanism of a first structural type, the one or more first recording mechanism being configured to deliver recording material to a recording medium; and

at least one or more second recording mechanism of a second structural type operably associated with the one or more first recording mechanism, the second structural type being different in type from the first structural type, the one or more second recording mechanism being configured to deliver recording material to the recording medium.

12. The printer device of claim 11, wherein the one or more first recording mechanism comprises a thermal inkjet printhead.

13. The printer device of claim 11, wherein the one or more second recording
5 mechanism comprises a piezoelectric printhead.

14. The printer device of claim 11 further comprising at least one or more third recording mechanism of a third structural type operably associated with the one or more first recording mechanism and the one or more second recording mechanism, the third structural type
10 being different from the first structural type and the second structural type, the one or more third recording mechanism being configured to deliver recording material to the recording medium.

15. A printer device comprising:
one or more first recording mechanism of a first structural type, the one or more
15 first recording mechanism being configured to deliver a first type of recording material to a recording medium; and
at least one or more second recording mechanism of a second structural type operably associated with the one or more first recording mechanism, the second structural type being different in type from the first structural type, the one or more second recording mechanism
20 being configured to deliver a second type of recording material to the recording medium, the second type of recording material being different from the first type of recording material.

16. The printer device of claim 15, wherein the one or more first recording mechanism comprises a thermal inkjet printhead.

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17. The printer device of claim 15, wherein the one or more second recording mechanism comprises a piezoelectric printhead.

18. The printer device of claim 15 further comprising at least one or more third recording mechanism of a third structural type operably associated with the one or more first recording mechanism and the one or more second recording mechanism, the third structural type
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of recording mechanism being different from the first structural type of recording mechanism and the second structural type of recording mechanism, the one or more third recording mechanism being configured to deliver recording material to the recording medium.

5 19. A printer device comprising a combination of different structural types of recording mechanisms.

10 20. The printer device of claim 19, wherein at least some of the different structural types of recording mechanism are configured to deliver different types of recording material onto a recording medium.

15 21. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a thermal inkjet printhead.

20 22. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a piezoelectric printhead.

25 23. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises an acoustic activation printhead.

20 24. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a toner cartridge.

25 25. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a dot matrix printer.

26 26. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a lithographic printer.

30 27. The printer device of claim 19, wherein at least one of the structural types of recording mechanisms comprises a gravure printer.

28. A method comprising:

using a printer, applying a recording material onto a recording medium using a first structural type of recording mechanism; and

5 using the printer, applying a recording material onto said recording medium using a second different structural type of recording mechanism.

29. The method of claim 28, wherein one of said acts of applying is performed using a recording mechanism comprising a thermal inkjet printhead.

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30. The method of claim 28, wherein one of said acts of applying is performed using a recording mechanism comprising a piezoelectric printhead.